

Title (en)

VINYL ALCOHOL POLYMER, METHOD FOR PRODUCING VINYL ALCOHOL POLYMER, DISPERSANT FOR SUSPENSION POLYMERIZATION, DISPERSION ASSISTANT FOR SUSPENSION POLYMERIZATION, AND METHOD FOR PRODUCING VINYL POLYMER

Title (de)

VINYALKOHOLPOLYMER, VERFAHREN ZUR HERSTELLUNG VON VINYALKOHOLPOLYMER, DISPERGIERMITTEL FÜR SUSPENSIONSPOLYMERISATION, DISPERSIONSASSISTENT FÜR SUSPENSIONSPOLYMERISATION UND VERFAHREN ZUR HERSTELLUNG VON VINYL POLYMER

Title (fr)

POLYMÈRE D'ALCOOL VINYLIQUE, PROCÉDÉ DE PRODUCTION D'UN POLYMÈRE D'ALCOOL VINYLIQUE, DISPERSANT POUR POLYMERISATION EN SUSPENSION, AUXILIAIRE DE DISPERSION POUR POLYMERISATION EN SUSPENSION ET PROCÉDÉ DE PRODUCTION D'UN POLYMÈRE VINYLIQUE

Publication

EP 4223800 A1 20230809 (EN)

Application

EP 21875646 A 20210928

Priority

- JP 2020167720 A 20201002
- JP 2021035708 W 20210928

Abstract (en)

Provided are: a novel vinyl alcohol polymer and a method for producing the same; and a dispersant for suspension polymerization, a dispersion aid for suspension polymerization, and a method for producing a vinyl polymer, each of which enables obtaining polymer particles which are superior in plasticizer absorptivity, and in which an average particle diameter is small, with few coarse particles. One aspect of the present invention is a vinyl alcohol polymer having, in the same molecule or in different molecules, a carbonyl group, a formyl group, and an alkenyl group. Another aspect of the present invention is a method for producing a vinyl alcohol polymer, the method including: a step of polymerizing a vinyl ester in the presence of an unsaturated aliphatic aldehyde; and a step of saponifying a vinyl ester polymer obtained.

IPC 8 full level

C08F 16/06 (2006.01); **C08F 2/20** (2006.01); **C08F 2/38** (2006.01); **C08F 290/04** (2006.01)

CPC (source: EP US)

C08F 2/02 (2013.01 - EP); **C08F 2/20** (2013.01 - EP US); **C08F 2/38** (2013.01 - US); **C08F 8/12** (2013.01 - US); **C08F 14/06** (2013.01 - EP US); **C08F 18/08** (2013.01 - EP); **C08F 216/06** (2013.01 - EP US); **C08F 218/08** (2013.01 - EP)

Citation (search report)

See references of WO 2022071345A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4223800 A1 20230809; BR 112023005676 A2 20230425; CN 116457381 A 20230718; JP WO2022071345 A1 20220407; TW 202222853 A 20220616; US 2024002565 A1 20240104; WO 2022071345 A1 20220407

DOCDB simple family (application)

EP 21875646 A 20210928; BR 112023005676 A 20210928; CN 202180067351 A 20210928; JP 2021035708 W 20210928; JP 2022554029 A 20210928; TW 110136666 A 20211001; US 202118247389 A 20210928